

**ABSTRACT**

The present invention relates to methods and compositions for the treatment and/or prevention of diseases and disorders in humans, including cancer, inflammatory diseases or disorders, and infectious diseases. In particular, the present invention relates to methods 5 and compositions comprising the administration of a cyclopentenone prostaglandin or a derivative thereof, which induces cytoprotective responses and inhibits NF- $\kappa$ B activation. The present invention further relates to pharmaceutical compositions containing cyclopentenone prostaglandins for the treatment and/or prevention of viral infection, inflammation, and/or cancer in humans.

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